

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims**

1. (Currently Amended) An isolated DNA molecule [[c.]] coding for a polypeptide having the sequence of Figure 2 (SEQ ID NO. 1) ~~or its complementary strand d-e.~~
2. (Previously Presented) An isolated RNA molecule comprising an RNA sequence corresponding to a DNA sequence according to Claim 1.
3. (Original) A nucleic acid probe having a sequence according to Claim 1, and optionally including a label.
4. (Withdrawn) An isolated, purified, or recombinant polypeptide comprising a pig CD50 protein or a mutant, variant or portion thereof or encoded by a sequence according to Claim 1 or a variant thereof having substantially the same activity as the pig CD59 protein.
5. (Withdrawn) A polypeptide according to Claim 4, wherein the pig CD59 protein has the amino acid sequence defined in Figure 2 (SEQ ID No. 2).
6. (Withdrawn) An anti-pig CD59 monoclonal antibody or a labeled anti-pig CD59 monoclonal antibody.
7. (Original) A vector comprising the nucleic acid sequence of Claim 1.

8. (Currently Amended) An isolated host cell transfected or transformed with a vector according to Claim 7.
9. (Withdrawn) A non-human transgenic animal wherein the transgene comprises the DNA of Claim 1.
10. (Canceled).
11. (Currently Amended) An isolated cell comprising a nucleic acid of claim 1 or 2.
12. (Currently Amended) An isolated cell comprising a vector of claim 7.
13. (Previously Presented) The cell of claim 12 wherein the cell is non-human.
14. (New) A method for recombinantly expressing the polypeptide of SEQ ID NO: 1 comprising transfecting or transforming cultured host cells with a vector comprising a nucleic acid sequence encoding a polypeptide having the sequence of Figure 2 (SEQ ID NO: 1), and culturing the cell under conditions so as to express the polypeptide having the sequence of Figure 2 (SEQ ID NO: 1).
15. (New) The method of claim 15, wherein the host cells are U937 cells or PLECT cells.